

Rules for the Manufacture, Testing and Certification of Materials, July 2007

Notice No. 1

Effective Date of Latest Amendments:

See page 1

Issue date: April 2008



RULES FOR THE MANUFACTURE, TESTING AND CERTIFICATION OF MATERIALS, *July 2007*

Notice No. 1

This Notice contains amendments within the following Sections of the *Rules for the Manufacture, Testing and Certification of Materials, July 2007.* The amendments are effective on the dates shown:

Chapter	***Section***	***Effective date***
8	1	1 January 2008

It will be noted that the amendments also include corrigenda, which are effective from the date of this Notice.

The *Rules for the Manufacture, Testing and Certification of Materials July 2007* are to be read in conjunction with this Notice No. 1. The status of the Rules is now:

Rules for Materials	Effective date:	July 2007
Notice No. 1	Effective dates:	1 January 2008

Chapter 8
Aluminium Alloys

Effective date 1 January 2008

■ *Section 1*
Plates, bars and sections

1.6 Heat treatment

Table 8.1.3 Chemical composition, percentage

Element	5083	5383	5059	5086	5754	5456	6005–A (*see* Note 1)	6061 (*see* Note 1)	6082
Copper	0,10 max.	0,10 max.	~~0,10 max.~~ 0,25 max.	0,10 max.	0,10 max.	0,10 max.	0,30 max.	0,15—0,40	0,10 max.
Magnesium	4,0—4,9	4,0—4,9	~~5,2—5,4~~ 5,0—6,0	3,5—4,5	2,6—3,6	4,7—5,5	0,40—0,70	0,80—1,20	0,60—1,20
Silicon	0,40 max.	0,25 max.	~~0,10 max.~~ 0,45 max.	0,40 max.	0,40 max.	0,25 max.	0,50—0,90	0,40—0,80	0,70—1,30
Iron	0,40 max.	0,25 max.	~~0,15 max.~~ 0,50 max.	0,50 max.	0,40 max.	0,40 max.	0,35 max.	0,70 max.	0,50 max.
Manganese	0,40—1,00	0,7—1,00	~~0,75—0,85~~ 0,6—1,2	0,20—0,70	0,50 max. (*see* Note 2)	0,50—1,00	0,50 max. (*see* Note 3)	0,15 max.	0,40—1,00
Zinc	0,25 max.	0,25 max.	~~0,45—0,60~~ 0,40—0,90	0,25 max.	0,20 max.	0,25 max.	0,20 max.	0,25 max.	0,20 max.
Chromium	0,05—0,25	0,05—0,25	~~0,12 max.~~ 0,25 max.	0,05—0,25	0,30 max. (*see* Note 2)	0,05—0,20	0,30 max. (*see* Note 3)	0,04—0,35	0,25 max.
Titanium	0,15 max.	0,15 max.	~~0,02-0,03~~ 0,20 max.	0,15 max.	0,15 max.	0,20 max.	0,10 max.	0,15 max.	0,10 max.
Zirconium		0,02 max.	~~0,02 max.~~ 0,05—0,25						
Other elements:									
each	0,05 max.	0,05 max.	0,05 max.	0,05 max.	0,05 max.	0,05 max.	0,05 max.	0,05 max.	0,05 max.
total	0,15 max.	0,15 max.	0,15 max.	0,15 max.	0,15 max.	0,15 max.	0,15 max.	0,15 max.	0,15 max.

NOTES
1. These alloys are not normally acceptable for application in direct contact with sea-water.
2. Mn + Cr = 0,10 min., 0,60 max.
3. Mn + Cr = 0,12 min., 0,50 max.

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